Homework 3

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1 Problem : Page 113: 2

The following table gives the elongation e in inches (in./in.) for a given stress S on a steel wire measured in pounds per square inch (lb/in.²). Test the models $e = c_1 S$ by plotting the data. Estimate c_1 graphically.

2 Problem : Page 121: 2.a

For each of the following data sets, formulate the mathematical model that minimizes the largest deviation between the data and the line y= ax+b. If a compuet is availae solve for the estiamtes of a and b.

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